

I claim:

1. A modified earphone structure having a closable opening, said earphone structure being formed by connecting two cover bodies with a headband, said cover body comprising:
 - 5 a first shell at least having a first opening and forming a first connection portion; and a second shell at least having a second opening and forming a second connection portion, said second opening corresponding to said first opening, said second connection portion being retained within said first connection portion, and a loudspeaker being arranged in said second shell;
 - 10 whereby said first shell is turned through said first connection portion to connect said first opening with said second opening or close said second opening with said first shell.
2. The modified earphone structure having a closable opening as claimed in
15 claim 1, wherein said first opening has a plurality of through holes.
3. The modified earphone structure having a closable opening as claimed in
claim 1, wherein said first connection portion has a hook and a protruding
groove.
4. The modified earphone structure having a closable opening as claimed in
20 claim 1, wherein said second opening has a plurality of through holes.
5. The modified earphone structure having a closable opening as claimed in
claim 1, wherein said second connection portion has a concave groove.
6. The modified earphone structure having a closable opening as claimed in
claim 1, wherein a plurality of through holes and a plurality of sound holes
25 are further provided in an inner side of said second shell.

7. The modified earphone structure having a closable opening as claimed in
claim 6, wherein the diameter of said sound hole is smaller than that of said
through hole.

8. The modified earphone structure having a closable opening as claimed in
5 claim 6, wherein said sound holes are densely distributed around said
loudspeaker.

9. The modified earphone structure having a closable opening as claimed in
claim 1, wherein a soft cushion is provided at an edge of said second shell.

10. A modified earphone structure having a closable opening, said earphone
10 structure being formed by connecting two cover bodies with a headband,
each of said cover body having a lead connected to a sound output device,
said cover body comprising:

a first shell at least having a first opening and forming a first connection
portion; and

15 a second shell at least having a second opening and forming a second
connection portion, said second opening corresponding to said first opening,
said second connection portion being retained within said first connection
portion, a loudspeaker being arranged in said second shell;

a motor arranged in said second shell;

20 a measurement unit for measuring the change of a first voltage level; and
a control unit for driving said motor according to the change of a second
voltage of said measurement unit;

whereby said ear cuff is opened or closed according to the change of said
first voltage of said measurement unit, said first voltage is an output voltage
25 of said sound output device, said measurement unit sends said second

voltage to said control unit for driving said motor when said first voltage changes, said motor automatically turns said first shell a first angle so that said first opening of said first shell corresponds to said second opening of said second shell and external sound sources enters a user's ears, or turns 5 said first shell a second angle so that said first opening of said first shell does not correspond to said second opening of said second shell and blocks external sound sources from entering a user's ears.

11. The modified earphone structure having a closable opening as claimed in claim 10, wherein said measurement unit, said control unit and said motor 10 are arranged in said second shell.
12. The modified earphone structure having a closable opening as claimed in claim 10, wherein said first opening has a plurality of through holes.
13. The modified earphone structure having a closable opening as claimed in claim 10, wherein said first connection portion has a hook and a protruding 15 groove.
14. The modified earphone structure having a closable opening as claimed in claim 10, wherein said second opening has a plurality of through holes.
15. The modified earphone structure having a closable opening as claimed in claim 10, wherein a plurality of through holes and a plurality of sound holes 20 are further provided in an inner side of said second shell.
16. The modified earphone structure having a closable opening as claimed in claim 15, wherein the diameter of said sound hole is smaller than that of said through hole.
17. The modified earphone structure having a closable opening as claimed in 25 claim 15, wherein said sound holes are densely distributed around said

loudspeaker.

18. The modified earphone structure having a closable opening as claimed in
claim 15, wherein a soft cushion is provided at an edge of said second shell.

19. The modified earphone structure having a closable opening as claimed in
5 claim 10, wherein said measurement unit is a voltage sensor.

20. The modified earphone structure having a closable opening as claimed in
claim 10, wherein said control unit is a relay.

21. The modified earphone structure having a closable opening as claimed in
claim 10, wherein both said first angle and said second angle are 60
10 degrees.

22. The modified earphone structure having a closable opening as claimed in
claim 10, wherein said sound output device is an MP3 Walkman, a CD
Walkman, or a conventional radio set.